



**NISSAN NORTH AMERICA, INC.**

983 Nissan Drive  
Smyrna, TN 37167-4000  
Telephone: 615.459.1400  
Fax: 615.459.1554

October 21, 2020

Mr. Walt Tunnessen  
National Program Manager  
ENERGY STAR Industrial Program  
U.S. Environmental Protection Agency  
Washington, DC 20004

Dear Mr. Tunnessen:

As the corporate energy director for Nissan North America, Inc., I am writing to nominate the following plants for award of the 2020 ENERGY STAR:

Smyrna Manufacturing Plant  
983 Nissan Drive  
Smyrna, TN 37167

Decherd Infiniti Powertrain Plant  
520 Nissan Powertrain Drive  
Decherd, TN 37324

As documented by the attached Statement of Energy Performance, I affirm that the aforementioned plants meet the conditions necessary to qualify for the ENERGY STAR, including an Energy Performance Score in the top quartile of the most current version of the ENERGY STAR Energy Performance Indicator for this type of plant.

I have personally examined and am familiar with the information contained in this Application. The information is based on reasonable inquiry and is, to the best of my knowledge, true, accurate, and complete. I have no reason to believe the plant would not meet all EPA program requirements for receiving the ENERGY STAR.

I am submitting this application within 4 months of the period ending date on the enclosed Statement of Energy Performance. I understand EPA reserves the right to request and review any records, which support the data used to produce the Energy Performance Score for these plants. I also certify that I am maintaining a formal certification file on these plants in accordance with EPA's formal certification file requirements. Furthermore, I agree to associate the ENERGY STAR name and logo only with the aforementioned plants and to adhere to ENERGY STAR's Identity Guidelines.

Sincerely,

Mike Clemmer  
Director - Facilities and Environmental Engineering  
Nissan North America, Inc.

Attachments: Statement of Energy Performance, EPI Printout, Award Specification Sheet



# Automobile Assembly Plant Energy Performance Indicator

Version 2.3, Release 09/19/2018

## Plant Characteristics

NAICS Code: 336111 and 336112

ZIP Code: 37167

Location: Nashville, TN

30 Year HDD: 3,729

30 Year CDD: 1,616

Notes:

## Current Plant

NNA-Smyrna

Year: 2020

Production (# of vehicles): (b) (4)

Line speed (vehicles per hour): (b) (4)

Capacity (# of vehicles): (b) (4)

% Utilization (production/capacity): (b) (4)

HDD: (b) (4)

CDD: (b) (4)

Wheelbase of the largest vehicle produced (inches): (b) (4)

Is this plant air-tempered?: (b) (4)

## Reference Plant

NNA-Smyrna

2019

(b) (4)

(b) (4)

(b) (4)

(b) (4)

(b) (4)

(b) (4)

(b) (4)

(b) (4)

## Energy Consumption

Select Units Electricity MWH Gas MCF Distillate Oil MMBtu Residual Oil MMBtu Coal MMBtu Other MMBtu

NNA-Smyrna

2020

Annual Purchases & Transfers

Annual Cost (\$)\*

NNA-Smyrna

2019

Annual Purchases & Transfers

Annual Cost (\$)\*

(b) (4)

\* Entering cost data is optional and does not impact the computation of the Energy Performance Score.

## Results

Your Current Plant

NNA-Smyrna

2020

Your Reference Plant

NNA-Smyrna

2019

Average

NNA-Smyrna

2020

Efficient

NNA-Smyrna

2020

(b) (4)

Energy Performance Score

Purchased Source Energy (MMBtu)

Purchased Site Energy (MMBtu)

Annual Energy Cost (\$/year)

Number of Vehicles

Energy Cost/Vehicle (\$/vehicle)

Energy Intensity (Site MMBtu/vehicle)

Current: NNA-Smyrna (2020)

Reference: NNA-Smyrna (2019)

(b) (4)





## Automobile Assembly Plant Energy Performance Indicator

Version 2.3, Release 09/10/2018

### Electricity Only Results

Your Current Plant  
NNA-Smyrna  
2020

Your Reference Plant  
NNA-Smyrna  
2019

Average  
NNA-Smyrna  
2020

Efficient  
NNA-Smyrna  
2020

Energy Performance Score  
Annual Electricity Cost (\$/year)  
Number of Vehicles  
Electricity Cost/Vehicle (\$/vehicle)  
Electric Energy Intensity (kWh/vehicle)

(b) (4)

Current: NNA-Smyrna (2020)

Reference: NNA-Smyrna (2019)

(b) (4)



## Automobile Assembly Plant Energy Performance Indicator

Version 2.3, Release 09/10/2018

### Electricity Only Results

Your Current Plant  
NNA-Smyrna  
2020

Your Reference Plant  
NNA-Smyrna  
2019

Average  
NNA-Smyrna  
2020

Efficient  
NNA-Smyrna  
2020

Energy Performance Score  
Annual Electricity Cost (\$/year)  
Number of Vehicles  
Electricity Cost/Vehicle (\$/vehicle)  
Electric Energy Intensity (kWh/vehicle)

(b) (4)

Current: NNA-Smyrna (2020)

Reference: NNA-Smyrna (2019)

(b) (4)



## STATEMENT OF ENERGY PERFORMANCE

NNA-Smyrna

For 12-month period ending:

9/30/2020

**Facility Address**  
NNA-Smyrna  
983 Nissan Drive

Nashville, TN  
37167

**Owner's Address**  
Mike Clemmer  
983 Nissan Drive

Smyrna, TN

37167

**Corporate Energy Manager Contact**  
Chris Goddard

(b) (6)

**Automobile Assembly Plant**  
**Energy Performance Indicator**  
Energy Performance  
Score:

GHG Savings (Kg CO<sub>2</sub>e)  
Source Energy  
Savings (MMBtu)  
Site Energy Savings  
(MMBtu)

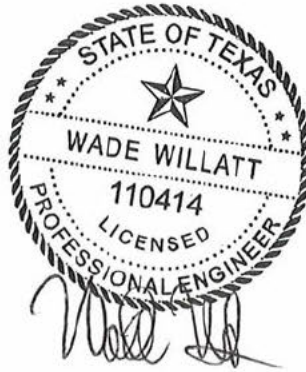
(b) (4)

**Professional Verification**  
Wade Willatt, P.E.  
983 Nissan Drive

Smyrna, TN 37167

(b) (6)

License Number: 110414  
Licensing State: Texas



Professional Engineer Stamp

**EPI Verification**

☒ EPI attached for EPA review.

☐ EPI contains proprietary information  
and has been sent to the designated  
reviewer.

Based on the conditions observed at the time of  
my visit to this facility, I certify that the information  
used in this tool to generate the energy  
performance score represented on this statement  
is accurate.

**NOTE:**

1. Applications for certification of plant energy performance to the US EPA must be made within 4 months of Period Ending date. Award of the ENERGY STAR is not final until approved by the US EPA.

2. All energy performance scores and supporting data must first be verified by the US EPA or a US EPA-designated EPI reviewer if supporting data is considered to be proprietary before submitting applications for the ENERGY STAR.

3. An energy performance score of 75 is the minimum required score to be considered eligible for the ENERGY STAR.

4. Estimates of energy and CO<sub>2</sub> emissions savings are provided to illustrate the difference between the benchmarked plant's energy use and estimated CO<sub>2</sub> emissions as compared to "an average plant" that is defined as having an energy performance score at the 50th percentile.

The fuel mix used to estimate emissions data for the average plant is the same as for the benchmarked plant. These estimates are provided to assist plants with communicating their energy and environmental achievements.

For US EPA Use Only:

The public reporting burden for this collection of information is estimated to range up to 15 minutes per response. Send comments on the Agency's need for this information, the accuracy of the provided burden estimates, and any suggested methods for minimizing respondent burden, including through the use of automated collection techniques to the Director, Collection Strategies Division, U.S. Environmental Protection Agency (2822T), 1200 Pennsylvania Ave., NW, Washington, D.C. 20460. Include the OMB control number in any correspondence. Do not send the completed form to this address.